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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/391,781	09/08/1999	GEORGE W. PALMER	99CR107/KE	9067

7590

01/08/2002

ROCKWELL COLLINS INC
ATTENTION KYLE EPPELE
400 COLLINS ROAD NE
CEDAR RAPIDS, IA 52498

EXAMINER

HAILU, TADESSE

ART UNIT

PAPER NUMBER

2173

DATE MAILED: 01/08/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.
09/391,781

Applicant(s)

George W. Palmer et al.

Examiner

Tadesse Hallu

Art Unit

2173



-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136 (a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) ☒ Responsive to communication(s) filed on Sep 8, 1999

2a) ☒ This action is FINAL. 2b) ☐ This action is non-final.

3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 35 C.D. 11; 453 O.G. 213.

Disposition of Claims

4) ☒ Claim(s) 1-20 is/are pending in the application.

4a) Of the above, claim(s) _____ is/are withdrawn from consideration.

5) ☐ Claim(s) _____ is/are allowed.

6) ☒ Claim(s) 1-20 is/are rejected.

7) ☐ Claim(s) _____ is/are objected to.

8) ☐ Claims _____ are subject to restriction and/or election requirements.

Application Papers

9) ☒ The specification is objected to by the Examiner.

10) ☐ The drawing(s) filed on _____ is/are objected to by the Examiner.

11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved.

12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. § 119

13) ☐ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).

a) ☐ All b) ☐ Some* c) ☐ None of:

- ☐ Certified copies of the priority documents have been received.
- ☐ Certified copies of the priority documents have been received in Application No. _____.
- ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

*See the attached detailed Office action for a list of the certified copies not received.

14) ☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

Attachment(s)

15) ☒ Notice of References Cited (PTO-892)

18) ☐ Interview Summary (PTO-413) Paper No(s). _____

16) ☒ Notice of Draftsperson's Patent Drawing Review (PTO-948)

19) ☐ Notice of Informal Patent Application (PTO-152)

17) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s). 4

20) ☐ Other:

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DETAILED ACTION

1. This Office Action is in response to the patent application (09/391,781) filed on 9/8/1999.

Priority

2. No priority is claimed.

Information Disclosure Statement

3. Information Disclosure Statement is submitted.

Status of the claims

4. Claims 1-20 are pending.

Specification

5. The abstract of the disclosure is objected to because the abstract is not within the range of 50 to 250 words. The abstract should be in narrative form and generally limited to a single paragraph on a separate sheet within the range of 50 to 250 words. It is important that the abstract not exceed 250 words.

The specification is also objected because the four co-pending patent applications which are incorporated by reference disclose no US Serial Numbers. An amendment to disclose the US Serial Numbers is required.

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Claim Rejections - 35 U.S.C. § 102

6. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

7. **Claims 1-20 are rejected under 35 U.S.C. 102(e) as being anticipated by Briffe et al (6,112,141).**

Briffe et al ("Briffe") relates generally to aircraft flight information and control system which permit simplified flight planning and navigation procedures, reduced cost, reduced pilot workload, and improved safety. Moreover Briffe relates to an improved graphical oriented aircraft display and control interface. Briffe also reads over the present claimed invention.

In regard to claims 1, 9 and 14, "an avionics system" (see Fig. 2, or Fig. 1, #10) includes "an avionics radio receiver" (see Fig. 2, #71); "a display coupled to said avionics radio receiver" (see Fig. 2, #16-22); "avionics operational system" (see fig. 2, 65a-65d, col 5, lines 66-col 6, lines 17); "said display having a graphical user interface for generating commands..." (See Abstract, col 3, lines 7-50, col 7, lines 41-46, col 11, lines 56-67, col 20, lines 34-38).

In regard to claim 2, as per "...a navigation system" (col 5, lines 54-61, col 6, lines 53-63, col 6, lines 52-col 7, lines 39).

In regard to claim 3, as per "...multi-functional display..." (see Fig. 1, #18 and 20, col 5, lines 8-13).

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In regard to claim 4, as per "...communication radio receiver..." (col 7, lines 41-46).

In regard to claims 5, 10 and 15, as per " ...pre-existing display..." (recorded data display) (col 33, lines 17-38, col 34, lines 13-23).

In regard to claims 6, 11, 16 and 20, as per "...simultaneous display of a COM 1... and COM 2 radio frequency..." (Col 3, lines 7-30, col 20, lines 34-38, col 23, lines 29-col 24, lines 2).

In regard to claims 7 and 12, as per "...graphical user interface is coupled to a radio control," (see Fig. 2) "so that a predetermined manipulation of a radio control causes a cursor to move ..." (col 39, lines 52-63, col 45, lines 41-45).

In regard to claims 8 and 13, as per "... expanded view of a predetermined radio function..." (col 58, lines 58-col 36, lines 6).

In regard to claim 17, as per "said means for graphically coupling is responsive to a manipulation of a control coupled to said means for receiving" (see Abstract, Fig. 2, col 3, lines 8-30, col 43, lines 26-32).

In regard to claim 18, as per "said means for graphically coupling expands a portion of said means for display..." (See col 17, lines 23-col 18, lines 5).

In regard to claim 19, as per "multi-function display" (see Fig. 1 or 2, #18 and 20, col 5, lines 8-13); as per "...avionics radio receiver" (see Fig. 2, #71); as per "manipulating a cursor on said multi-function display..." (see col 3, lines 8-30).

Conclusion

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Conclusion

8. Any inquiry concerning this communication or earlier communications from the Examiner should be directed to *Tadesse Hailu*, whose telephone number is (703) 306-2799. The Examiner can normally be reached on M-F from 10:00 - 7:30 ET. If attempts to reach the Examiner by telephone are unsuccessful, the Examiner's supervisor, *John Cabeca*, can be reached at (703) 308-3116 Art Unit 2173 CPK 2-4A51

9. Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 305-3900.

Tadesse Hailu

02 Jan 2002


RAYMOND J. BAYERL
PRIMARY EXAMINER
ART UNIT 2173